

GROSVENOR LANE IS ASSUMED
TO RUN A EAST/WEST DIRECTION

PROPOSED SIGNS

13-16
NO
TURN
ON RED
R10-11B
(30"X30")

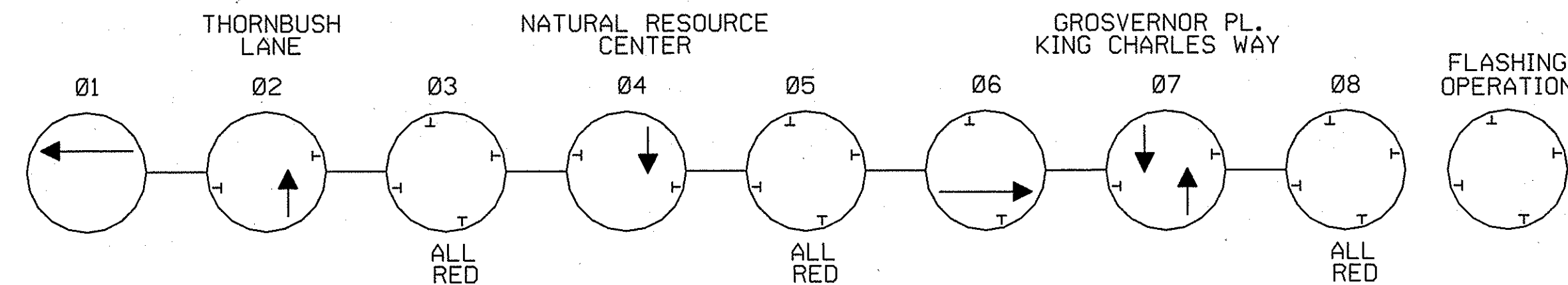
PROPOSED SIGNALS

1-12
R
Y
G
12"

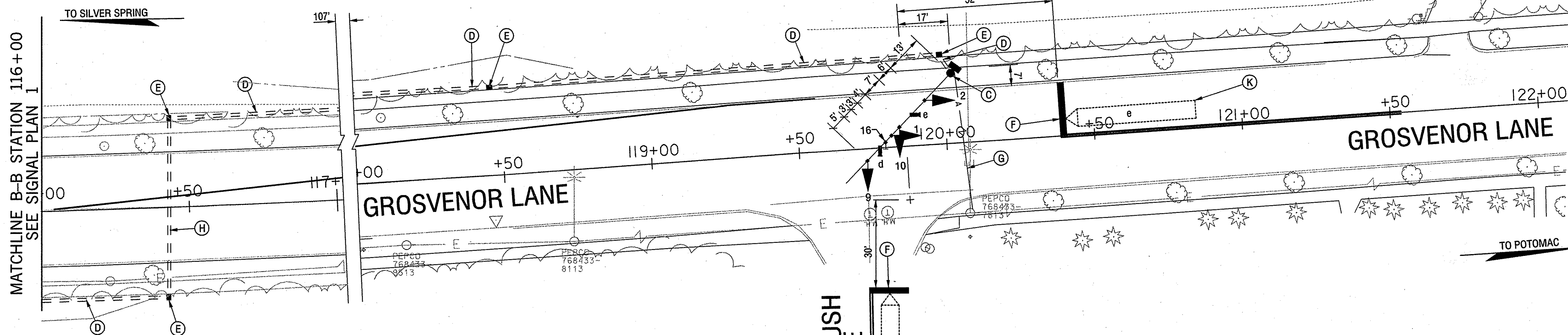
PROPOSED VIDEO DETECTION

a, b, c, d, e

NEMA PHASING



NOTE:
PHASES ASSOCIATED BY A SOLID LINE WILL OPERATE SEQUENTIAL.



CONSTRUCTION DETAILS

- INSTALL CONCRETE FOUNDATION WITH A 27 FT. STEEL POLE WITH A SINGLE 70 FT. MAST ARM (CUT TO 64 FT.) WITH SIGNAL HEADS, SIGN, 15 FT. LIGHTING ARM, 250 WATT HPS LUMINAIRE, POLE MOUNTED CABINET WITH ASC II CONTROLLER AND DETECTION RACK FOR VIDEO DETECTION, ELECTRICAL UTILITY SERVICE ON THE POLE, 3 IN. WEATHER HEAD AND OVERHEAD VIDEO DETECTION CAMERAS. (NOTE: ONE 3 IN. PVC SCHEDULE 80 CONDUIT BEND). STA. 106+41, 25' LT.
- INSTALL CONCRETE FOUNDATION WITH A 18 FT. STEEL POLE WITH A SINGLE 38 FT. MAST ARM WITH SPECIAL 15 FT. "T" DIMENSION, SIGNAL HEADS, SIGN, AND OVERHEAD VIDEO DETECTION CAMERA. (NOTE: ONE 3 IN. PVC SCHEDULE 80 CONDUIT BEND). STA. 113+80, 30' RT.
- INSTALL CONCRETE FOUNDATION WITH A 27 FT. STEEL POLE WITH SINGLE 50 FT. MAST ARM, WITH SIGNAL HEADS, SIGNS, POLE MOUNTED "G" CABINET WITH MINI HUB II AND DETECTOR RACK FOR RACK MOUNTED AMPLIFIERS, 3 IN. WEATHER HEAD, ELECTRICAL UTILITY SERVICE ON POLE AND VIDEO DETECTION CAMERAS. (NOTE: ONE 3 IN. PVC SCHEDULE 80 CONDUIT BEND). STA. 120+03, 24' LT.
- INSTALL 3 IN. PVC SCHEDULE 80 ELECTRICAL CONDUIT - TRENCHED.
- INSTALL HANDHOLE.
- INSTALL 24 IN. HEAT APPLIED, WHITE PERMANENT PREFORMED THERMOPLASTIC PAVEMENT MARKING FOR STOP LINE.
- OVERHEAD POWER SERVICE TO BE INSTALLED BY PEPCO.
- INSTALL 3 IN. PVC SCHEDULE 80 ELECTRICAL CONDUIT - SLOTTED.
- ATTACH 3 IN. PVC SCHEDULE 80 ELECTRICAL CONDUIT TO TOP OF BRIDGE PARAPET WALL ON THE INSIDE OF FENCE WITH NECESSARY HARDWARE AT 20 FT. SPACING INTERVALS.
- VIDEO DETECTION ZONE.

GENERAL NOTES

- VIDEO CAMERA LOCATION / ALIGNING SHALL BE COORDINATED WITH THE SHA ENGINEER.
- THE CONTRACTOR SHALL VERIFY ALL PROPOSED POLE AND CABINET LOCATIONS PRIOR TO INSTALLATION.
- ALL PROPOSED LUMINAIRES SHALL BE SUPPLIED WITH A PHOTOCELL.
- THE CONTRACTOR SHALL BE RESPONSIBLE FOR TERMINATING ALL SIGNAL CABLE TO THE APPROPRIATE TERMINALS AND PROPERLY LABEL EACH CABLE.
- THE CONTRACTOR SHALL VERIFY ALL UNDERGROUND UTILITIES PRIOR TO INSTALLING PROPOSED SIGNAL EQUIPMENT. IF ANY UTILITY CONFLICTS SHOULD ARISE THE CONTRACTOR SHALL CONTACT THE PROJECT ENGINEER.
- ALL TRAFFIC SIGNAL FOUNDATIONS SHALL BE INSTALLED AT THE FINAL SIDEWALK OR CURB GRADE FOR CLOSED SECTIONS, HIGHEST ROADWAY PROFILE GRADE FOR OPEN SECTIONS, TO MEET CLEARANCES AS SPECIFIED IN MD 816.03, MD 818.01, MD 818.02, MD 818.04. THE CONTRACTOR SHALL VERIFY ULTIMATE GRADES PRIOR TO THE INSTALLATION OF ALL SIGNAL EQUIPMENT.
- ALL PROPOSED PAVEMENT MARKINGS SHALL BE INSTALLED IN ACCORDANCE WITH MSHA STANDARDS.

GEOMETRIC LEGEND

EXISTING
PROPOSED

UTILITY LEGEND

SD STORM DRAIN
G GAS MAIN
W WATER MAIN
S SEWER MAIN
E ELECTRIC CABLES
A AERIAL CABLES
T TELEPHONE CABLES
FO FIBER-OPTIC

MAINTENANCE OF TRAFFIC LEGEND

WORK AREA THIS PHASE
TEMPORARY CONCRETE
TRAFFIC BARRIER
TEMPORARY CRASH CUSHION,
SAND FILLED PLASTIC BARRELS
PLASTIC DRUMS

1 ADDENDUM No.1 03/ /2006



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APPROVALS	REVISIONS
<i>[Signature]</i> ASST. DIR. CHIEF	
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<i>[Signature]</i> OFFICE DIRECTOR	



STATE OF MARYLAND
DEPARTMENT OF TRANSPORTATION
STATE HIGHWAY ADMINISTRATION
OFFICE OF TRAFFIC & SAFETY
TRAFFIC ENGINEERING DESIGN DIVISION

TEMPORARY SIGNALS FOR BRIDGE NO.15077 ON GROSVENOR LANE OVER I-270

BETHESDA, MARYLAND

MOT (PHASE 1) TRAFFIC SIGNAL PLAN 2		
SCALE 1"=20'	DATE 02/06	CONTRACT NO. MO3775180
DESIGNED BY S. SMITH	COUNTY MONTGOMERY	
DRAWN BY S. SMITH	LOGMILE 15035504.38	
CHECKED BY S. RENZI	T.I.M.S. NO. N/A	
F.A.P. NO. N/A	TOD NO.	
DRAWING NO. PSG-P101B	SHEET NO.	OF

PLOTTED: Monday, March 13, 2006 AT 09:24 AM
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